



# OC01, OC02

high stability oven controlled crystal oscillator ;  
Small Size;  
Good Performance with Low Cost;

**Table1 Specifications**

Parameter		OC01	OC02
Frequency Range		5~40MHz,	
Standard Frequency		5, 10, 8.192, 12, 13, 16.384, 20, 26, 38.88MHz,	
Frequency Stability	vs Operation Temp. Range	$\pm 5 \times 10^{-8}$ , Stability Code is "5.8"	
	vs Vcc Change $\pm 5\%$	$\pm 2 \times 10^{-9}$	
	vs Load Change $\pm 10\%$	$\pm 2 \times 10^{-9}$	
	vs Aging @25 after 30 days operation	$\pm 5 \times 10^{-8}$ /year, $\pm 2 \times 10^{-10}$ /day	$\pm 2 \times 10^{-7}$ /year, $\pm 1 \times 10^{-9}$ /day
Operation Temperature Range		-30~+70 ,Code "P"	-10~+55 ,Code "L"
Supply Voltage		5V, 9V, 12V,(option code 5,9,12,)	
Current Consumption (@12Vcc)		350mA max at Turn-on,120mA max after warm up at 25	
Short Term Stability(Allen Std Deviation)		$\pm 3 \times 10^{-11}$ / s	
Output		See Table 2	
SSB Phase Noise (10MHz, typical)		-105dBc@10Hz	-100dBc@10Hz
		-130dBc@100Hz	-120dBc@100Hz
		-145dBc@1kHz	-135dBc@1kHz
		-150dBc@10kHz	-145dBc@10kHz
Warm-up Time@25 Typical		$\pm 5 \times 10^{-8}$ after 10 minutes	
Frequency Adjustment (from 0V to Vref.)		$\pm 7 \times 10^{-7}$	$\pm 2$ ppm
Package		36A	
Storage Temperature Range		-40~+85	

**Table2 Output Option Code**

Sine	Wave Form	Sine, 7dBm	Code is "S"
	Load	50 $\Omega$	
	Harmonic Suppression	-30dB	
	Non-Harmonic Suppression	-70dBc	
TTL/CMOS		4TTL,CMOS,HCMOS	Code is "T"

**OCXOs**

**Part Numbering Key**

SERIES	PACKAGE CODE	Supply Voltage	OUTPUT FORM	FREQ. STABILITY vs.TEMP	FREQUENCY
OC01 OC02	36A	5=5V 9=9V 12=12V	S=Sine T=TTL/CMOS	See Table1	
<b>OC01</b>	<b>36A</b>	<b>12</b>	<b>S</b>	<b>L5.8</b>	<b>10.000MHz</b>

**Sample Part Numbers**

**OC01-38A-12S-P1.8  
@10.000Mhz**